

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Group Art Unit: 2861

David G. Foster, et al

Examiner: Bruce H. Hess

THERMAL DONOR FOR HIGH-
SPEED PRINTING

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Serial No. 10/667,065

Cheryl L. Betteridge

Filed 17 September 2003

Date

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Cheryl L. Betteridge
June 23, 2005

Sir:

DECLARATION UNDER 37 C.F.R. §132

I, David G. Foster, declare that:

I received degrees of M.S. and Ph.D. in Chemical Engineering from the University of Rochester, and a B.S. in Chemistry from Rochester Institute of Technology. I have been employed at Eastman Kodak Company from 1982 to present, and for the last six years have worked in thermal media research.

I am a co-inventor of the above-captioned patent application, and am familiar with the Office Action dated April 11, 2005.

The following experiments were conducted under my supervision:

Donor formulations including inventive and comparative stick preventative agents as indicated in the following table were prepared as described in the specification in Example 1 at pages 14-16, and printed on a Kodak 6800 printer at 1.2 msec line times. The table shows these results contrasted to the 4 msec line times achieved by the methods of Example 1 of the specification. All prints made at 1.2 msec line time had a maximum density of 2.36.

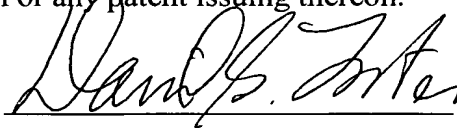
Donor Prints to Fail

	Compound	Original Patent Data, 4 msec line time	New Data, 1.2 ms line time
E1	Silwet L7230	12	12
E4	GP-4	10	5
E6	Dow Corning 57	9	4.5
E7	Dow Corning 190	8	12
E8	Dow Corning 56	8	9
E10	Silwet L7001	8	12
E12	DBE-224	7	4
E17	GP-70-S	6	6
E18	PST-433	6	10
E24	GP-32	5	5
E38	PS-134	5	7
E39	PS-181	5	6.5
E40	PS-183	5	5
E41	PS-187	5	6
C1	BYK-320	3	3
C2	BYK-301	3	4
C3	Canuba Wax	3	4.5
C4	FC-430	3	5
C6	Kemamide E	3	5.5

As can be seen from the above table, the inventive samples were better than the comparative samples at the slower line time of 4 msec. At the faster line time of 1.2 msec, the inventive samples performed at least as well as the comparative samples, and in some cases far exceeded the comparative samples (see E1, E7, E8, E10, E18) with regard to the number of prints to fail. Thus, the inventive stick preventative agents recognized in the application perform as well as, or better than, other known stick preventative agents at both normal line times of 4 msec and at faster line times of less than 2.0 msec while maintaining a D-max of at least 2.0.

The undersigned declares further that all statements made herein of the undersigned's own knowledge are true and all statements made on information and belief are believed to be true. These statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 6/20/05



David G. Foster